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JAN 23 2001

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IN THE SPECIFICATION:

On page 1, on the very first line, before the line "E. COLI, SALMONELLA OR HAFNIA AUTOINDUCERS" please add a line containing the words Title of the Invention.

On page 1, after the line "E. COLI, SALMONELLA OR HAFNIA AUTOINDUCERS" but before the line "The present invention concerns bacterial autoinducers of growth, methods" please add a line containing the word Background. Then on the next line after the line that has the word "Background", but before the line "The present invention concerns bacterial autoinducers of growth, methods" please add a line containing the words Field of the Invention.

On page 1, after the line "growth of bacteria, both the source organism and other species.", but before the line "Signaling events between bacteria and host cells are an integral component" please add a line containing the words Description of the Related Art.

On page 2, after line "Da (see also, Lyte, M., 1993, Journal of Endocrinology, 137:343-345; US 5,629,349).", but before the line "The present inventors have succeeded in isolating, purifying and" please add a line containing the words Brief Summary of the Invention.

On page 7, after the line "another species.", but before the line "The invention will be further apparent from the following description, with" please add a line containing the words Brief Description of the Drawings.

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On page 11, please delete the word [Experimental] at the top of the page before the line "As can be seen from Figure 1, recognition of host effector molecules (such as hormones, ". Also, at the top of the page before the line "As can be seen from Figure 1, recognition of host effector molecules (such as hormones, " please add the line

Detailed Description of the Invention.

After page 32, but before Figure 1 on page 1/12 please add page 33.

On the first line of page 33 please add the line Abstract of the Disclosure.

On page 1/12, on the first line please add the line Drawings

Please amend the abstract of the disclosure as shown below:

[The present invention concerns a novel bacterial autoinducer, methods of its manufacture, isolation and purification, uses of autoinducer isolated and purified using same, and the uses of the autoinducer.]

A bacterial autoinducer and method for isolating and purifying a bacterial autoinducer from a sample comprising the steps of collecting a sample containing the autoinducer, fractionating the sample to isolate fractions corresponding to molecular weights of approximately 300-1500 Dalton, and eluting the isolate on an anion-exchange chromatographic column and selecting the fraction containing the autoinducer.

IN THE CLAIMS:

Please cancel claims 15 and 16.

Amendment
Serial No. 09/424,427; Filed 02/28/2000
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